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Presentation "Unveiling the mysteries of diamagnetism: from theory to fabrication"

Wednesday 22 May 2024 17:30 (30 minutes)

Abstract: "In this presentation, we delve into the intriguing world of diamagnetism, exploring its theoretical foundations and practical implementations in materials science and physics. Commencing with an elucidation of the fundamental principles governing diamagnetic phenomena, we unravel the intricacies of its response to external magnetic fields and its unique properties. Transitioning from theory to application, we explore various techniques utilized in the fabrication of diamagnetic materials, encompassing synthesis methodologies, characterization approaches, and potential real-world applications across a spectrum of disciplines. By shedding light on the mysteries of diamagnetism from both theoretical and practical standpoints, this presentation endeavors to provide a comprehensive understanding of this phenomenon and its significance in contemporary scientific research and technological innovations."

Presenter: BLAUT, Marcel (University of Wrocław)

Session Classification: Kindergarten